

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

12/02/2010

Sulynn Walton  
Assistant District Attorney, Suffolk County

Dear ADA Walton,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Khan & Nicole Medina.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Nicole Medina was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Khan (Dookhan) was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Khan".

Annie Khan (Dookhan)  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631  
[Annie.Khan@state.ma.us](mailto:Annie.Khan@state.ma.us)



**DRUG RECEIPT**

CC # XXXXXXXXXX  
BOOK # 64  
PAGE # 1  
DESTRUCTION # \_\_\_\_\_

District/Unit D-4/DCU

Name & Rank of Arresting Officer P.O. James Stoddard ID# 53987

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer John Hope ID# 1310

Received by          Date     -04-10

Date \_\_\_\_\_

ECU Control # \_\_\_\_\_

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.

\*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of analytical instruments.

\*Maintain the Quality Control of analytical instruments and controls/standards.

\* Maintain the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the Massachusetts Biologic Laboratory, Quality Control and Quality Assurance Department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Method Development for creating new techniques for the QC Department.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept of Justice – Forensics Professionals

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with Massachusetts Biologic Laboratory and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Nicole E. Medina

### Education

**Bachelor of Science, Chemistry (1995)**

Emmanuel College, Boston, MA

**Research Project: (1994)**

In-Vivo Mapping of Cocaine Metabolites in Biological Fluids

Conducted at Massachusetts State Police Crime Lab, Toxicology Department

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### Employment

**Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substances and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

**Chemist I State Laboratory Institute (2004-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis
- Successfully completed an eight week training in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

**Research Associate (September 2001 – October 2004)**

Wolfe Laboratories, Newton & Watertown, MA

**Laboratory Technician (January 1996 - April 1997)**

Gillette, Boston, MA

No. [REDACTED]

Date Analyzed: 07-08-10

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 02/24/2010

No. Analyzed:

Gross Wt.: 1.59

Net Weight: 0.08

# Tests: 5 Dem

• 2952

Prelim: Heroin

Findings:

Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BostonANALYST DEM

No. of samples tested: \_\_\_\_\_

Evidence Wt ✓

PHYSICAL DESCRIPTION: Signed & Sealed      Gross Wt ( ): \_\_\_\_\_  
1PB double bagged      Gross Wt ( 1 ): 0.2410gm  
Containing light brown      Pkg. Wt: 0.1577gm  
Powder.      Net Wt: 0.0833gm

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate (+) blue  
Marquis + Purple  
Froehde's + Purple  
Mecke's + Green

### Microcrystalline Tests

Gold  
Chloride  
TLTA ( )

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS Heroin  
DATE 07-06-10

## GC/MS CONFIRMATORY TEST

RESULTS Heroin  
MS OPERATOR ASD  
DATE 07-08-10

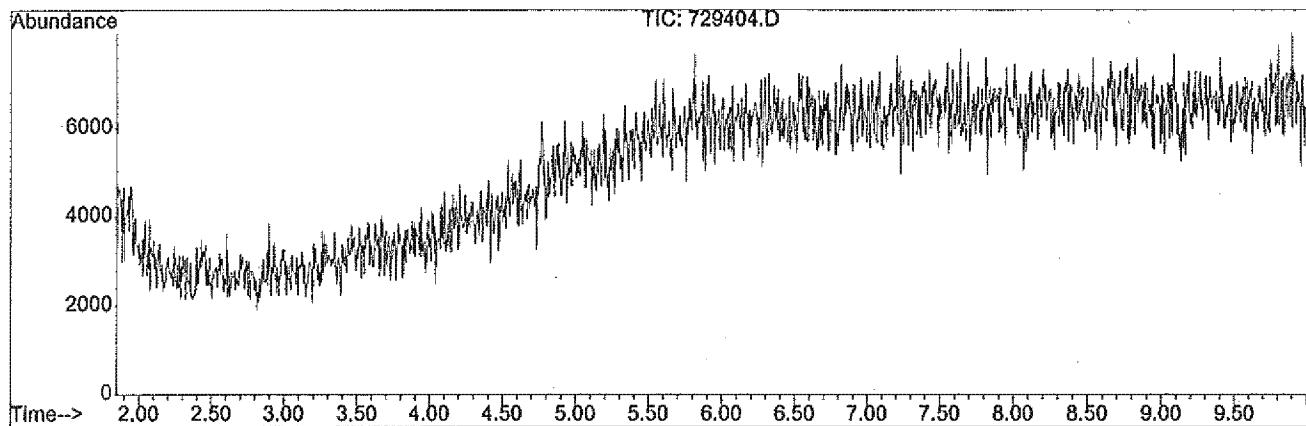
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Operator : ASD  
Date Acquired : 7 Jul 2010 13:17  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ 250  
12-210



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| Ret. Time | Area | Area % | Ratio % |
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\*\*\*NO INTEGRATED PEAKS\*\*\*

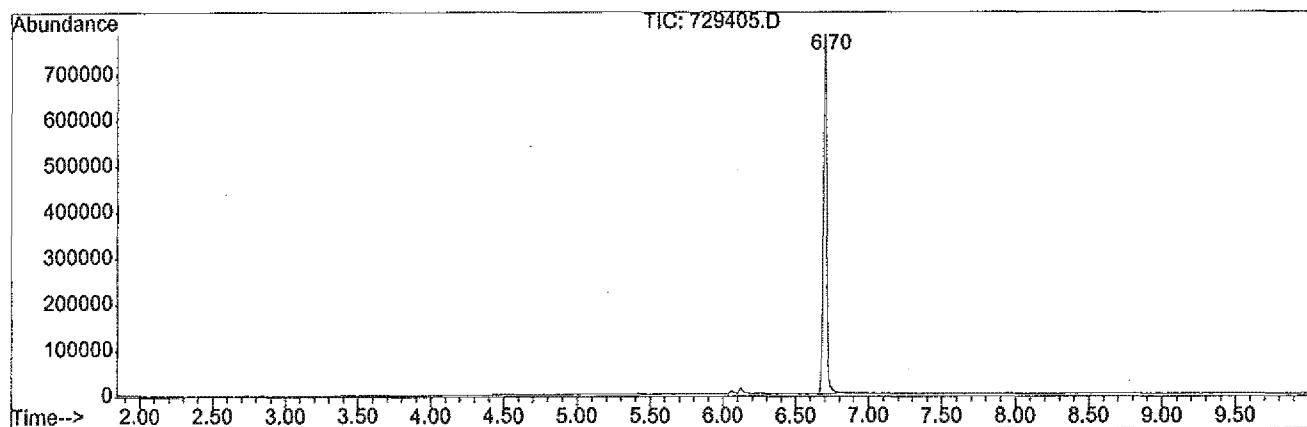
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Date Acquired : 7 Jul 2010 13:30  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area    | Area % | Ratio % |
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# Area Percent / Library Search Report

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Integrator : RTE

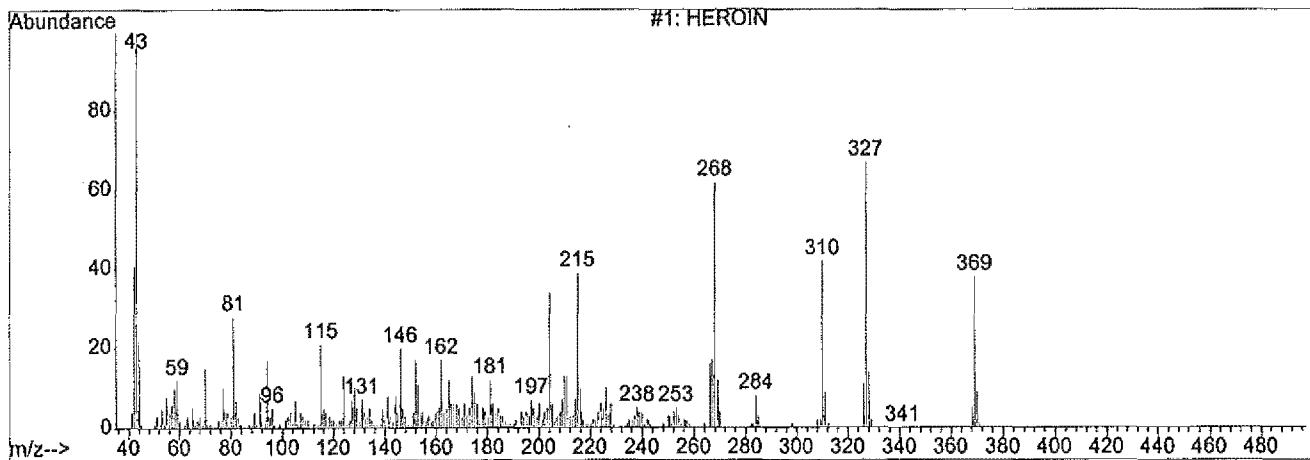
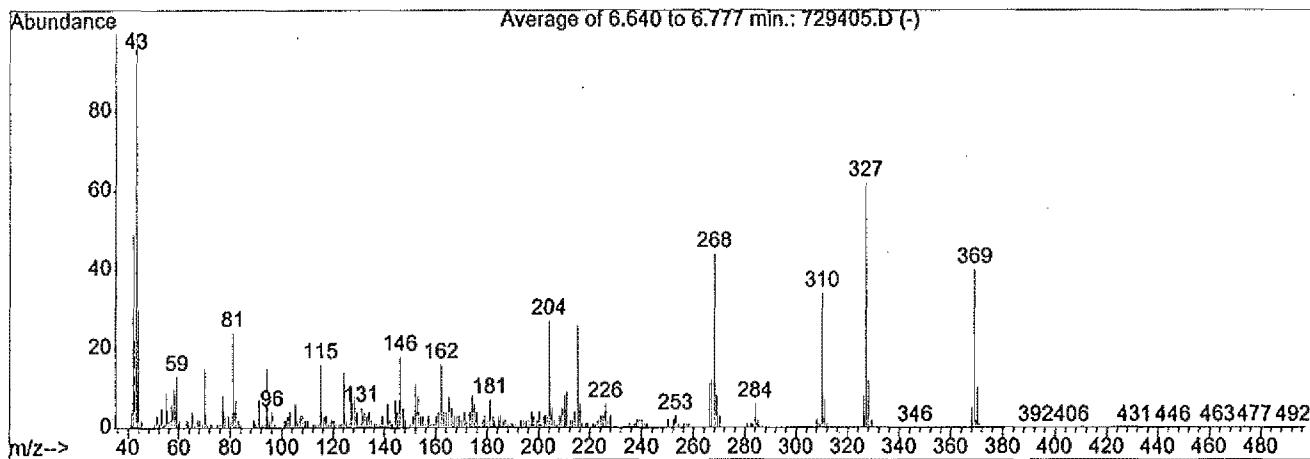
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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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| PK# | RT   | Library/ID                  | CAS#        | Qual |
|-----|------|-----------------------------|-------------|------|
| 1   | 6.70 | C:\DATABASE\SLI.L<br>HEROIN | 000561-27-3 | 99   |

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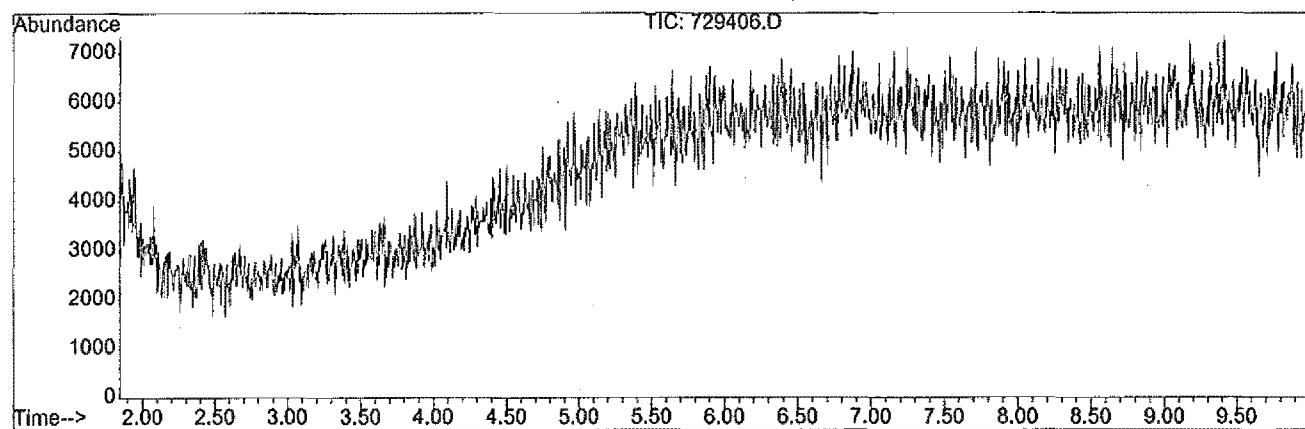
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Date Acquired : 7 Jul 2010 13:44  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
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|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

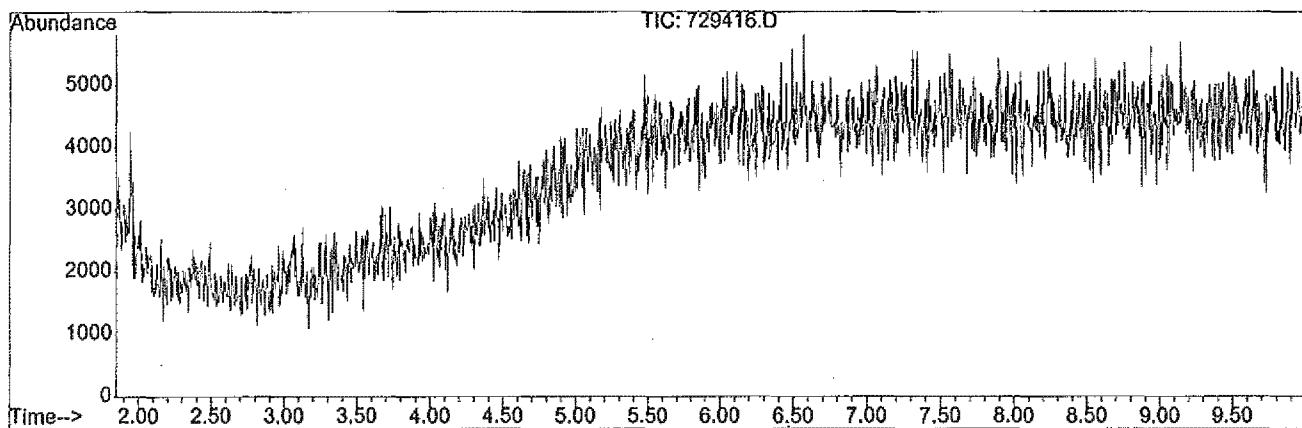
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Sample Name : BLANK  
Submitted by : NEM  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

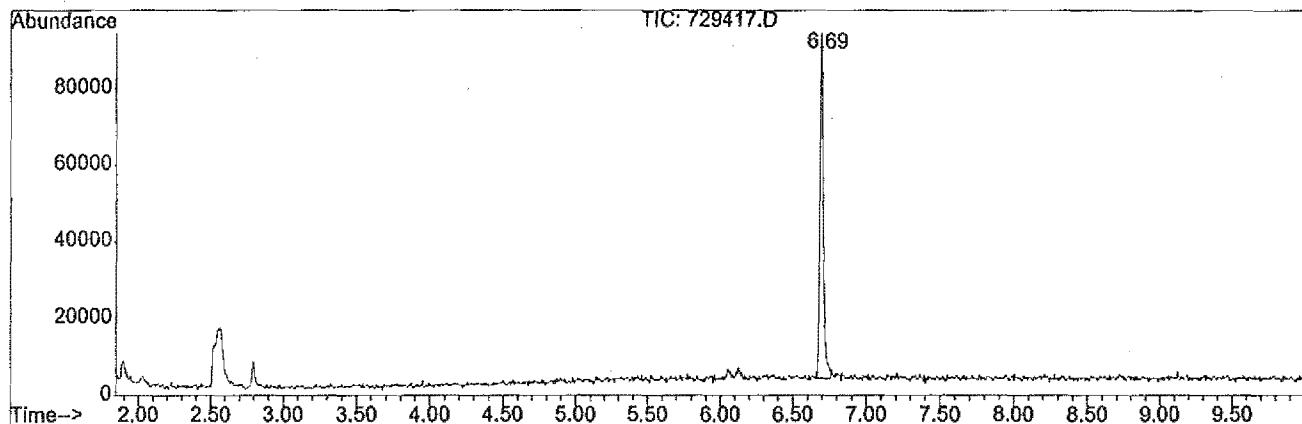
Area Percent / Library Search Report

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Date Acquired : 7 Jul 2010 16:13  
Sample Name : XXXXXXXXXX  
Submitted by : NEM  
Vial Number : 17  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area   | Area % | Ratio % |
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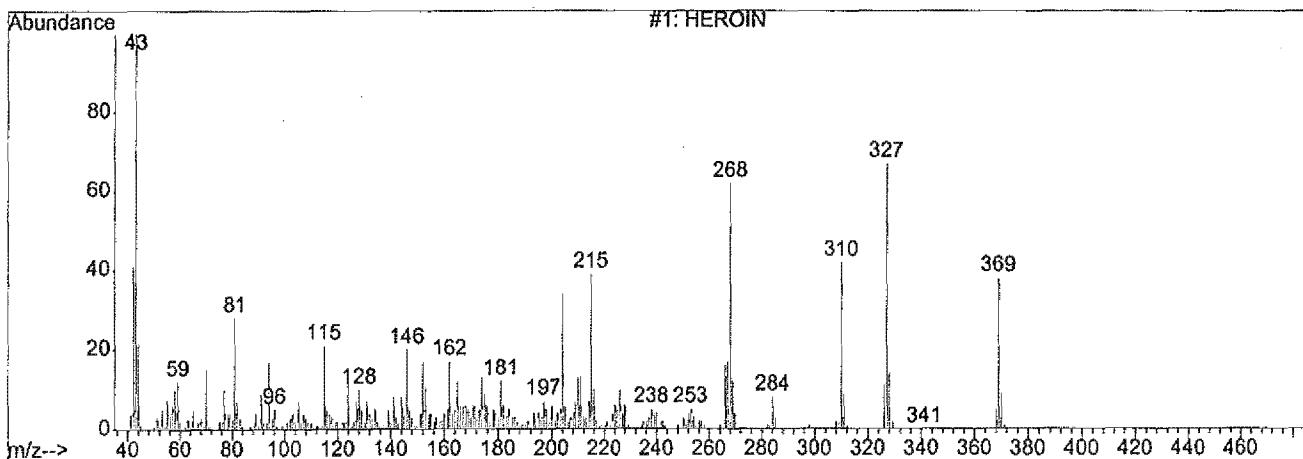
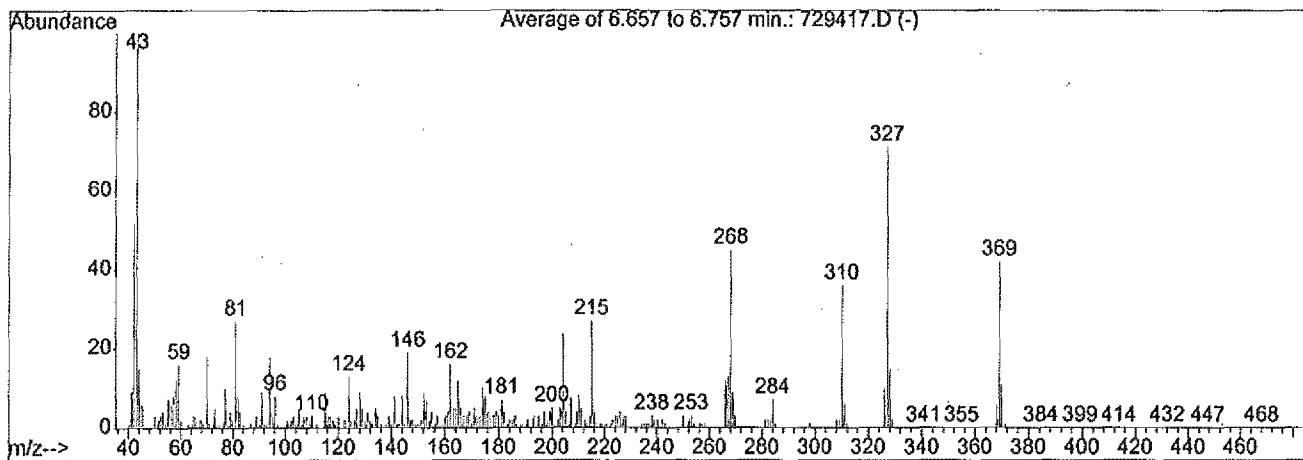
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Operator : ASD  
Date Acquired : 7 Jul 2010 16:13  
Sample Name : XXXXXXXXXX  
Submitted by : NEM  
Vial Number : 17  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

| PK# | RT   | Library/ID                  | CAS#        | Qual |
|-----|------|-----------------------------|-------------|------|
| 1   | 6.69 | C:\DATABASE\SLI.L<br>HEROIN | 000561-27-3 | 99   |



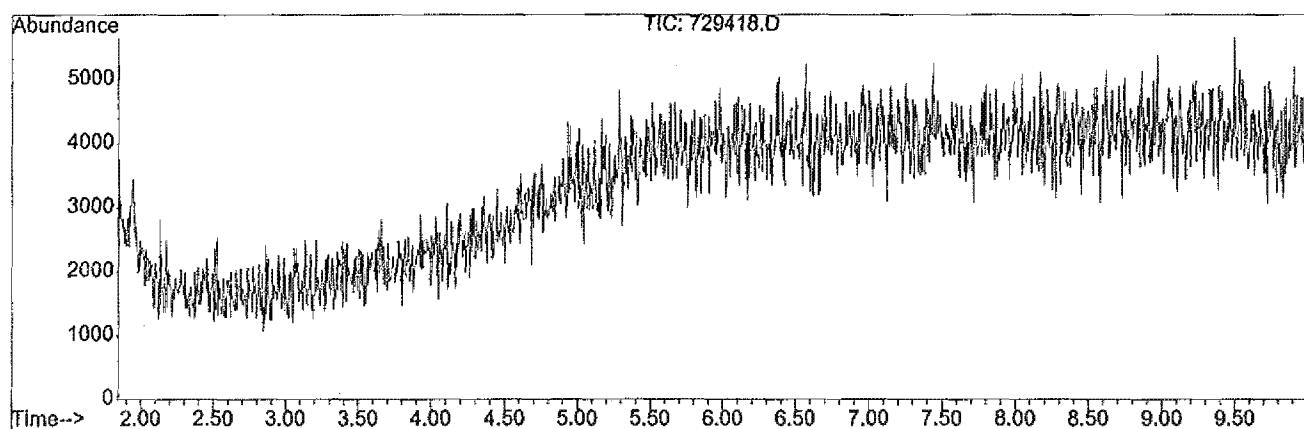
Area Percent / Library Search Report

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Date Acquired : 7 Jul 2010 16:26  
Sample Name : BLANK  
Submitted by : NEM  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

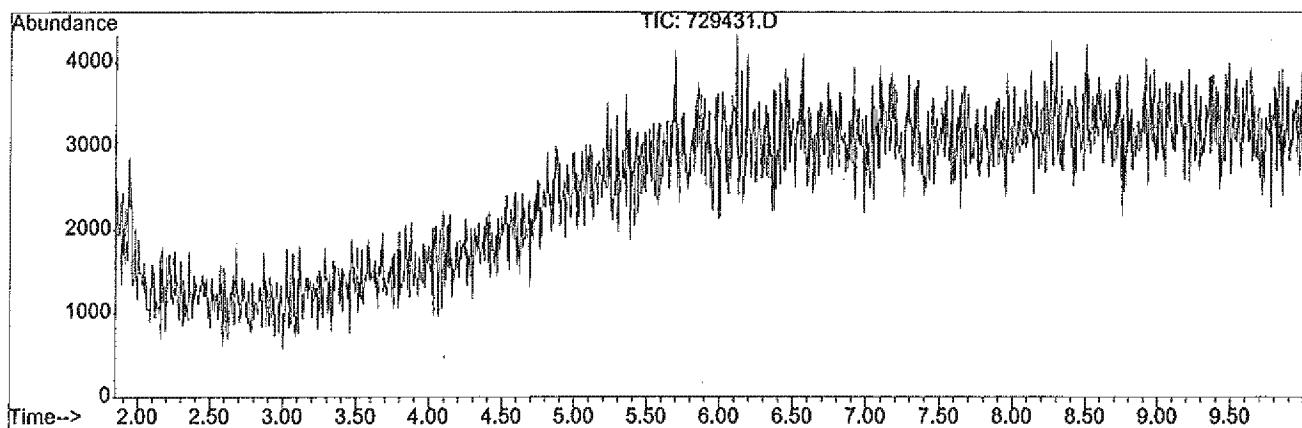
# Area Percent / Library Search Report

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Date Acquired : 7 Jul 2010 19:23  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
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\*\*\*NO INTEGRATED PEAKS\*\*\*

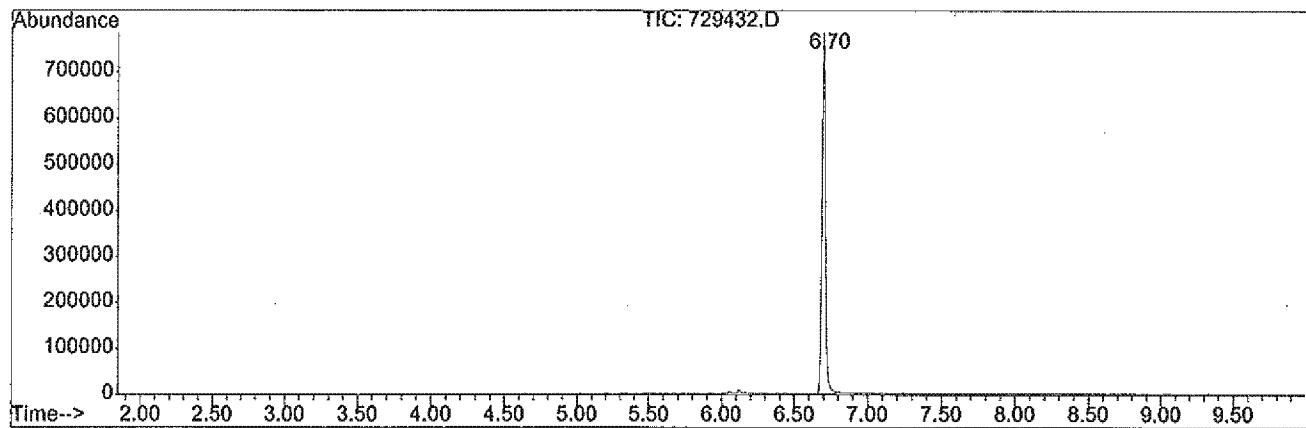
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Operator : ASD  
Date Acquired : 7 Jul 2010 19:37  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 32  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area    | Area % | Ratio % |
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# Area Percent / Library Search Report

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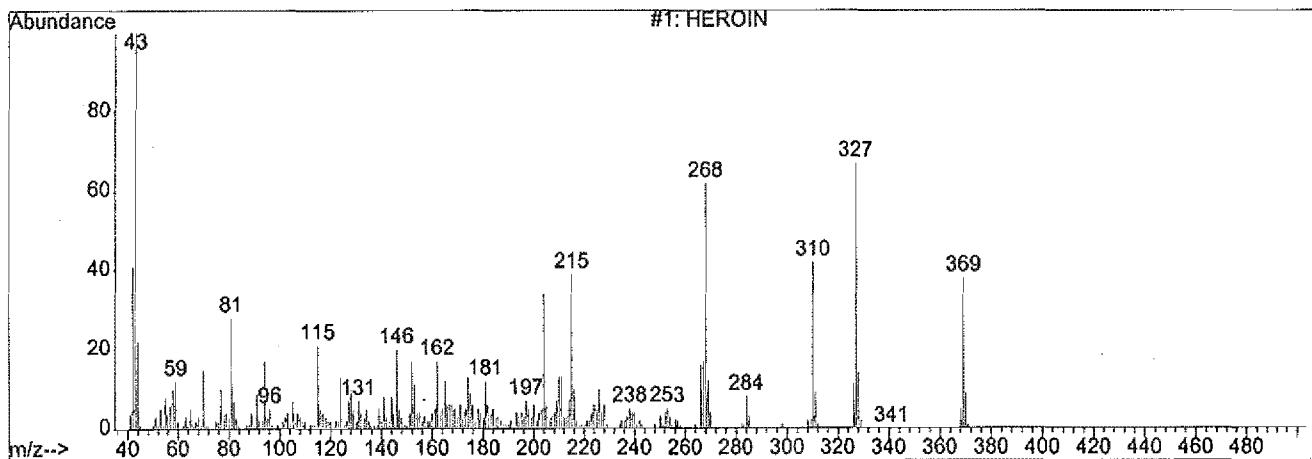
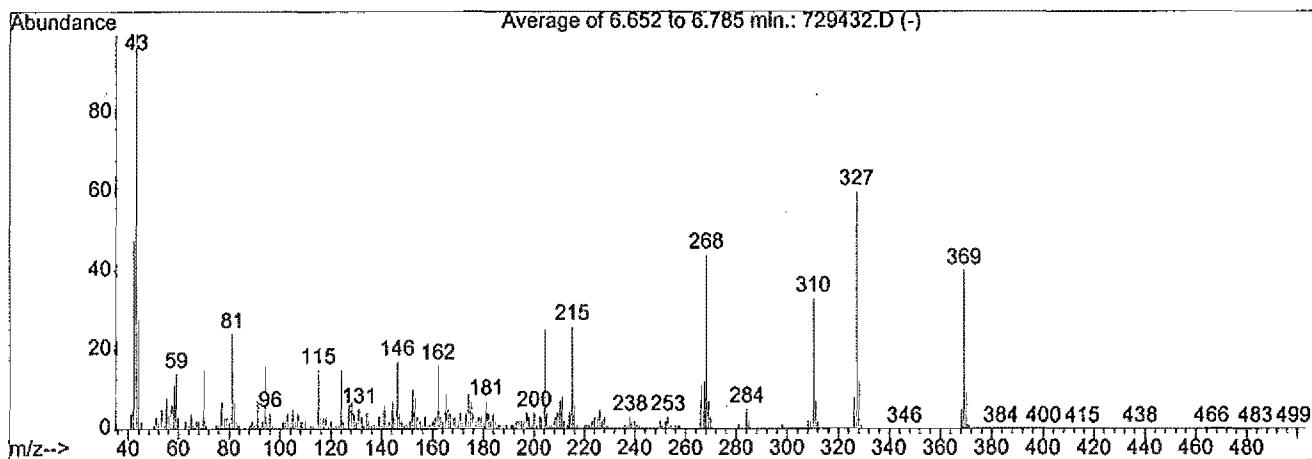
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File Name : D:\SYSTEM4\07\_10\_10\729432.D  
Operator : ASD  
Date Acquired : 7 Jul 2010 19:37  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 32  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

| PK# | RT   | Library/ID                  | CAS#        | Qual |
|-----|------|-----------------------------|-------------|------|
| 1   | 6.70 | C:\DATABASE\SLI.L<br>HEROIN | 000561-27-3 | 99   |



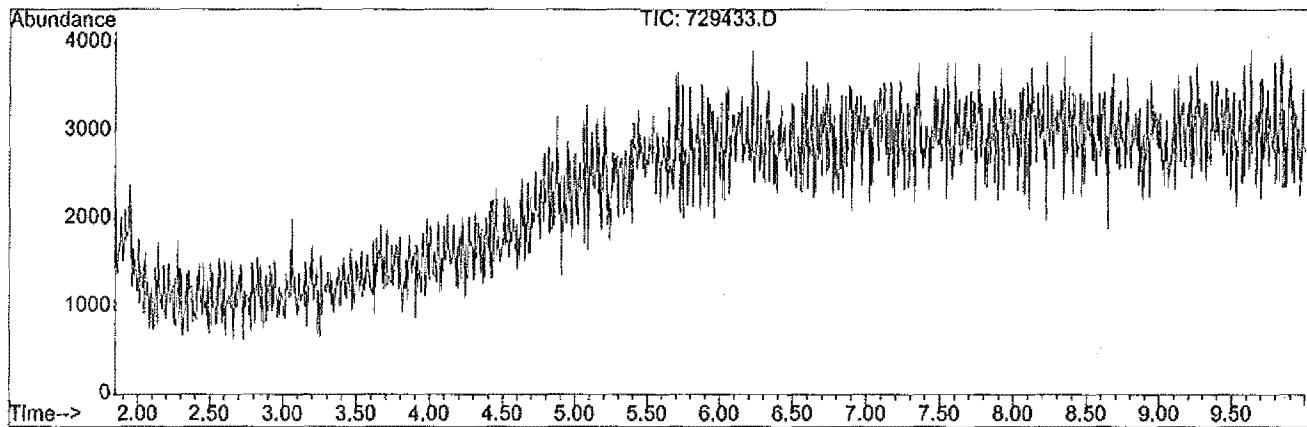
Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 7 Jul 2010 19:51  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*